



Form 1449 (Modified)

Information Disclosure
Statement By Applicant

(Use Several Sheets if Necessary)

Atty Docket No.

UCALP031

Applicant:

Richard A. Mathies, et al.

Filing Date

June 23, 2005

Application No.:

10/540,658

Group

1637

U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
/YK/	A1	6,379,929	04/30/02	Burns et al.			
↓	A2	6,605,454	08/12/03	Barenburg et al.			
↓	A3	US2004/0086872 A1	05/06/04	Childers et al.			

Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation
							Yes No
	B1						

Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
/YK/	C1	Weimer, B.C., et al., <i>Solid-phase capture of proteins, spores and bacteria</i> , <i>App. Environ. Microbiology</i> , 67:1300-1307 (2001).
	C2	Yu, C., et al., <i>Towards stationary phases for chromatography on a microchip: Molded porous polymer monoliths prepared in capillaries by photoinitiated in situ polymerization as separation media for electrochromatography</i> , <i>Electrophoresis</i> , 21:120-127 (2000).
	C3	Yu, C., et al., <i>Preparation of monolithic polymers with controlled porous properties for microfluidic chip applications using photoinitiated free radical polymerization</i> , <i>J. Polymer Sci.</i> , 40:755-769 (2002).
	C4	Rohr, T., et al., <i>Porous polymer monoliths: Simple and efficient mixers prepared by direct polymerization in the channels of microfluidic chips</i> , <i>Electrophoresis</i> , 22:3959-3967 (2001).
	C5	Peterson, D.S., et al., <i>Enzymatic Microreactor-on-a-Chip: Protein Mapping Using Trypsin Immobilized on Porous Polymer Monoliths Molded in Channels of Microfluidic Devices</i> , <i>Anal. Chem.</i> , 74:4081-4088 (2002).
↓	C6	Woolley, A.T., et al., <i>Functional Integration of PCR Amplification and Capillary Electrophoresis in a Microfabricated DNA Analysis Device</i> , <i>Anal. Chem.</i> , 68:4081-4086 (1996).
Examiner	Date Considered	
Young J. Kim/	06/15/2007	

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.


Form 1449 (Modified)
**Supplemental Information Disclosure
Statement By Applicant**

(Use Several Sheets if Necessary)

Atty Docket No.
UCALP031
Application No.:
10/540,658
Applicant:
Richard A. Mathies, et al.
Filing Date
June 23, 2005
Group
1637
U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
/YK/	A1	6,408,878	06/25/02	Unger et al.			
	A2	6,623,613	09/23/03	Mathies et al.			
	A3	6,752,922	06/22/04	Huang et al.			
	A4	6,793,753	09/21/04	Unger et al.			
	A5	6,802,342	10/12/04	Fernandes et al.			
	A6	6,829,753	12/07/04	Lee et al.			
	A7	6,885,982	04/26/05	Harris et al.			
	A8	6,899,137	05/31/05	Unger et al.			
	A9	6,929,030	08/16/05	Unger et al.			
	A10	6,951,632	10/04/05	Unger et al.			
	A11	6,953,058	10/11/05	Fernandes et al.			
	A12	6,960,437	11/01/05	Enzelberger et al.			
	A13	7,005,493	02/28/06	Huang et al.			
	A14	D486,156	02/03/04	Lee et al.			
▼	A15	D488,818	04/20/04	Lee et al.			
	A16	5,376,252	12/27/94	Ekström et al.			

Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation	
							Yes	No
/YK/	B1	0527905	11/22/95	EP				
▼	B2	EP1065378	04/03/02	EP				
▼	B3	WO02/043615	06/06/02	WO				

Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
/YK/	C1	D.J. Harrison, et al., <i>Micromachining a miniaturized capillary electrophoresis-based chemical analysis system on a chip</i> , <u>Science</u> , 261(5123): 895-897, 1993.
/YK/	C2	C.A. Emrich, et al., <i>Microfabricated 384-lane capillary array electrophoresis bioanalyzer for ultrahigh-throughput genetic analysis</i> , <u>Analytical Chemistry</u> , 74(19): 5076-5083, 2002.
Examiner	/Young J. Kim/	Date Considered 06/15/2007

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form 1449 (Modified) Supplemental Information Disclosure Statement By Applicant (Use Several Sheets if Necessary)	Atty Docket No. UCALP031 Applicant: Richard A. Mathies, et al. Filing Date June 23, 2005	Application No.: 10/540,658 Group 1637
---	---	---

Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
/YK/	C3	E.T. Lagally, et al., <i>Monolithic integrated microfluidic DNA amplification and capillary electrophoresis analysis system</i> , <u>Sensors and Actuators B-Chemical</u> , 63(3): 138-146, 2000.
	C4	B.M. Paegel, et al., <i>Microchip bioprocessor for integrated nanovolume sample purification and DNA sequencing</i> , <u>Analytical Chemistry</u> , 74(19): 5092-5098, 2002.
	C5	B.M. Paegel, et al., <i>Microfluidic devices for DNA sequencing: sample preparation and electrophoretic analysis</i> , <u>Current Opinion in Biotechnology</u> , 14(1): 42-50, 2003.
	C6	T. Ohori, et al., <i>Partly disposable three-way microvalve for a medical micro total analysis system (muTAS)</i> , <u>Sensors and Actuators A-Physical</u> , 64(1): 57-62, 1998.
	C7	X. Yang, et al., <i>A MEMS Thermopneumatic silicone rubber membrane valve</i> , <u>Sensors and Actuators A-Physical</u> , 64(1): 101-108, 1998.
	C8	Rolfe C. Anderson, et al., <i>A miniature integrated device for automated multistep genetic assays</i> , <u>Nucleic Acids Research</u> , 28(12): e60, 2000.
	C9	M.A. Unger, et al., <i>Monolithic microfabricated valves and pumps by multilayer soft lithography</i> , <u>Science</u> , 188(5463): 113-116, 2000.
	C10	E.T. Lagally, et al., <i>Fully integrated PCR-capillary electrophoresis microsystem for DNA analysis</i> , <u>Lab on a Chip</u> , 1(2): 102-107, 2001.
	C11	E.T. Lagally, et al., <i>Single-molecule DNA amplification and analysis in an integrated microfluidic device</i> , <u>Analytical Chemistry</u> , 73(3): 565-570, 2001.
	C12	R.A. Mathies, et al., <i>Capillary array electrophoresis bioprocessors</i> , <u>Solid-State Sensor, Actuator and Microsystems Workshop</u> , pages 112-117, Hilton Head Island, SC, USA, 2002.
	C13	W.H. Grover, et al., <i>Monolithic membrane valves and diaphragm pumps for practical large-scale integration into glass microfluidic devices</i> , <u>Sensors and Actuators B</u> , 89: 315-323, 2003.
↓	C14	C.L. Hansen, et al., <i>A robust and scalable microfluidic metering method that allows protein crystal growth by free interface diffusion</i> , <u>Proceedings of the National Academy of Science</u> , 99(26): 16531-16536, 2002.
Examiner	Date Considered 06/15/2007	
Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		